

1     Claims

2                     1.       Apparatus for mixing and dispensing gasoline and oil, comprising:

3                     a tank receiving gasoline and oil;

4                     a selectively operable pump having an inlet connected to a draw tube extending  
5     into said tank;

6                     said pump also having an outlet having a fluid connection to a dispenser nozzle  
7     allowing selective fuel outflow of fuel from said tank delivered by said pump for dispensing said  
8     fuel;

9                     said pump outlet also having a fluid connection to a selectively operated valve,  
10    said valve connected to a down tube extending down into said tank to the vicinity of the bottom  
11    region thereof; and a

12                    jetting pipe connected thereto directing a mixing jet of liquid into said tank upon  
13    opening of said valve when said pump is operating.

14  
15                    2.       The apparatus according to claim 1 wherein said jetting pipe extends  
16    generally horizontally to direct a jet flow of liquid across said tank bottom region.

17  
18                    3.       The apparatus according to claim 2 wherein said jetting pipe is of a  
19    smaller diameter than said down tube.

20  
21                    4.       A method of mixing and dispensing gasoline and oil for a two cycle  
22    engine, comprising the steps of:

1                   introducing gasoline and oil into a tank;  
2                   connecting a pump inlet to a draw tube extending down into said tank to enable  
3                   pumping said gasoline and oil out of said tank;  
4                   connecting a pump outlet to a dispensing nozzle for dispensing said gasoline and  
5                   oil;  
6                   selectively connecting said pump outlet to a pipe extending back into said tank to  
7                   divert an outflow of liquid from said pump back into said tank; and,  
8                   forming a jetting outflow of liquid received in said down tube into said tank to  
9                   create a mixing of gasoline and oil in said tank;  
10                  thereafter discontinuing said diverted out flow; and  
11                  dispensing said mixed gasoline and oil fuel from said nozzle.

12  
13                  5.       The method according to claim 4 including the step of directing said  
14                  jetting outflow across a bottom region of said tank.  
15